1952 doc. 480

UNITED STATES
DEPARTMENT OF THE INTERIOR

DI-6

APPROVED DECEMBER

K.M. Waage 1952

Van Bibber

Rabbit Mtn

-JIN-50-40 South side of Elbe River

ridge at W point

(b)

(3) Lytle - Morrison contact. M

55. wid

(c)

(d)

k Dakota

3 strike N 20 W. dip 50 E

15 [illegible] - 25 ft. 3

16 [illegible]

17 [illegible]

Golden Fire [illegible]

[illegible] 2nd [illegible]

Bold Ed, 4th Shale [illegible]

AIN - 50 40 [illegible]

[illegible] Lens sand

(found later

to North [illegible] ridge former

19 - base, 1st ss with little shale between it & 2nds.

[illegible] 43° E

22 base of number one sand [illegible] below [illegible] Elev. 19 N 50 ; 47 E

23 base of number one sand

24 base of main clay with beginning of base red line on photo not 1st sand but 2nd

25 Sandstone over little three [illegible] massive 2 foot bed - iron [illegible]

a fault offsets highest [illegible] about 35' strike N 35° E

26 Base of Main clay with bottom as in 24 clay silty with [illegible] zone

27 Base of sandstone above little three.

AIA-51-28

1. base of Lydle - char conglomeritic with medium grained white siliceous in sandstone base not exposed

2 Main clay bed - two rooms horse mined lower split mined however

3 disconformity @ entrance of mine shaft (Shaft good for section) sandstone massive (friable)

4. second shale (?) mined - 2" flinty bed - top. bentonite (?)

Terry, lectures

Conant — On Understanding Science
an Historical Approach
Yale Univ. Press '47

to discuss — Science is neither a body of [illegible] doctrines, but a process [illegible] ideas, things, words

The scientific attitude & the layman
better understanding of science to
those so interested [illegible]
[illegible]
Science into our secular culture
We [illegible] understand science
. Science and Nature (Atomic [illegible] control)
. Common [illegible] the Methods of Science
pure, applied & social sciences
Is method of [illegible] to first two apply to third?
Are social sciences really sciences?
Are all rational & empirical [illegible] to Science?
- pluralism
In exact [illegible] of [illegible] fact [illegible]
[illegible]
exposure to such a discipline will produce a
frame of mind that values [illegible] in
all matters
Petrarch, Boccaccio, Machiavelli & Erasmus
Make the [illegible] of [illegible] the [illegible]
of modern scientific investigation.

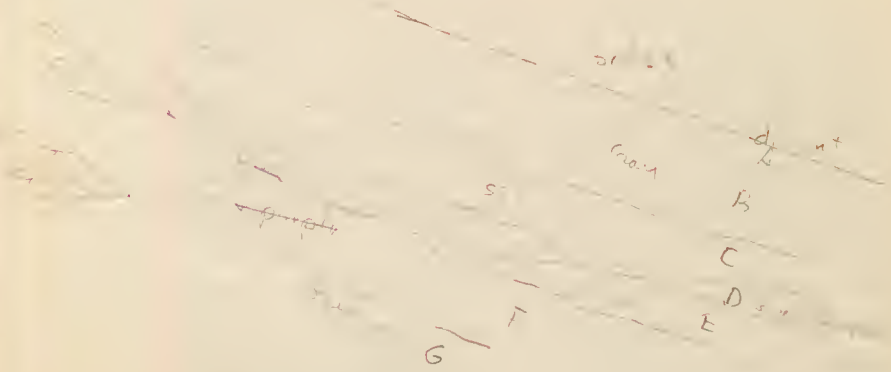
6.

better understanding of ... —pursuit
for the welfare of the nation

Understanding Science

A man who has no ... investigation in the
field of ... is ... in pure or applied science, even in that one in
which he is ... with a special point of
view. In ... point of view" in ... science
... knowledge ... scientific pursuit
... the new area which becomes
... educated man ... of science.
... is best
towards understanding ... rather than ... logical
... of ... science

The factors ... Strategy ... Science


B
C
D
E
G

Cave, site aqueduct cut thru Rabbit Mt.

Top of Discont., base 3rd SS, measured downw

		Discontinuity
A	2.0-3.0	Argillaceous siltstone yellow weathering grades to interval below
B	17.0	Argillaceous siltstone and silty claystone. Light grey to green-grey array of [illegible] This unit thins [illegible] SS thickens
C	7.5-8.0	[illegible] medium grained massive light grey x bedded, weathers Fe brown. Thickens in cut to 20' at expense of interval above
D.	7.0	Interbedded fine grained SS and silty greenish clay. Sample 1 is from the clay laterally clays thin and SS cuts out, then SS out and it turns into clay.
E	7.0	Same as in C., it lenses out west cut in vertical red beds. Contact in regard to above red beds [illegible]
F	14.0±	C [illegible] silty clay ~~claystone~~ + argill. siltstn. A thickness guess
G.	At least 25' [illegible]	Green argill. siltstn + clstn yellow stain grading down into variegated purple [illegible] + grey brn + red zone - cut

B.

thin clear red-purple. Laterally this SS lense 2' pod'd comes in in upper part thin zone. Reaches 15'+, possibly some SS facies thin red gen. addition of. Is fine to coarse cyclic ccem SS, locally aquifers. Resting green red purple beds. Sample 2 is green beneath this lens

Color - Purple (5 P 4/2)
Range from 5RP 4/2 - 5P 4/2
5RP 3/2 and 5P 3/2.
with mottling of 5R 4/2 5R 3/2

Core Log - Red to clear - Sample 1 silt st. between 0 & 1.5' below discon. Sample 2 between 1.2 and 2.5' below.

.80902
120
16180 40
80902
97.08240

64.72160